

## Meta SAFE DHCP

*Standards-based stand-alone DHCP solution with the security of SAFE DHCP Quarantine*



### Meta SAFE DHCP Key Benefits:

- RFC-compliant DHCP services
- Three-tier architecture based on open standards
- DHCP Failover
- Datastore hot backup
- Authentication and Host Integrity Modules
- Configuration Analysis Tools
- Dynamic View
- Site Deployment Wizard
- Unlimited IP addresses (SAFE Registration and MetaInfo Appliance configuration only)

Meta SAFE DHCP empowers you to design host integrity scanning and authentication procedures to match your network's requirements. Meta SAFE DHCP requires no changes to the DHCP client software and complies with all DHCP protocol standards.

### DHCP Management

Meta SAFE DHCP is a standards-based stand-alone DHCP solution. Meta SAFE DHCP and the SAFE DHCP Quarantine Appliance protects your network from unintended attacks and unknown users and devices.

### Deployment Flexibility

The standard Meta SAFE DHCP configuration includes the SAFE DHCP Quarantine and a MetaInfo Appliance. This configuration allows unlimited IP addresses.

You can optionally deploy Meta SAFE DHCP as a software-only solution on other platforms. However, this limits the number of IP addresses and does not include the SAFE DHCP Quarantine Appliance.

### Meta SAFE DHCP and Network Endpoint Access Protection

Using the SAFE DHCP Quarantine Appliance and the MAC Address Authentication Module, all network users must pass the host integrity scanning and authentication procedures your site requires. A special DNS internal root service, SAFE DNS, resolves all queries to the SAFE Registration Web page.

The SAFE Registration process involves seven basic steps:

1. DHCP client requests IP address.
2. SAFE DHCP examines the MAC Address Database, determines that client is unknown or expired, and issues a quarantined lease.
3. User opens Web browser.

4. SAFE DNS resolves query to the SAFE Registration page.
5. User completes required scanning/authentication steps.
6. SAFE DHCP adds user to the MAC Address Database with Allow, Deny, or Hold status.
7. Network Administrator determines when the client receives an unrestricted lease.

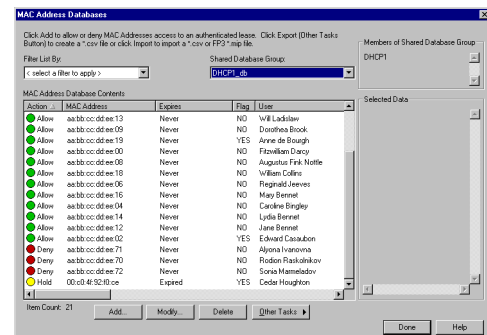
You control what happens after a user completes and passes the procedures, but users that fail the procedures remain in quarantine and isolated from the rest of your network.

### MAC Address Database

The MAC Address Authentication Module and the SAFE Registration Modules combine to add entries to the Meta SAFE DHCP MAC Address Database, which includes customized tools to manage the entries of large or small networks.

### Related Products

- **MetaInfo Appliance**  
Secure, hardened appliance in a convenient form factor.
- **SAFE DHCP Quarantine Appliance**  
Includes a Web Server, a SAFE DNS server, and all SAFE modules.
- **Meta IP**  
The leading software solution for unified IP address management and network security
- **Meta DNS Pro**  
Standards-based stand-alone DNS solution with special administration tools.



MAC Address Database lists all users connected to the network and their status

You can view users that have passed the SAFE modules, failed the SAFE modules (placed in a special quarantined *Hold* status), and users whose entries are expired and will need to go through the

SAFE Registration process when they renew their leases. You can filter entries on a variety of criteria, and export and import data.

### Site Deployment Wizard

Meta SAFE DHCP includes the Site Deployment Wizard to walk you through configuring the SAFE DHCP primary and failover services, the SAFE DNS service, and the MAC Address Authentication Module.

### Configuration Flexibility

Meta SAFE DHCP's SAFE DHCP Quarantine Appliance offers scanning and authentication modules from the *SAFE Network Alliance*, which includes the industry's leading security product vendors, as well as open-source modules.

### Available SAFE Registration Modules

#### Scanning/Integrity

- Check Point ICS Server
- Nessus Vulnerability Scanner

#### Authentication

- RSA
- LDAP
- Active Directory
- RADIUS

The order in which you list the SAFE Registration Modules is the order in which the user encounters them. For example, you may want to scan a machine for viruses before requiring a user to authenticate.

Enable SAFE Registration Modules			
<b>Currently Enabled Modules</b>			
1. Check Point ICS scan	Move Up	Move Down	Remove
2. RSA authentication	Move Up	Move Down	Remove
<b>Available Modules</b>			
Active Directory authentication			Enable
LDAP authentication			Enable
Nessus Security Scanner			Enable
RADIUS authentication			Enable
Gather Additional User Information			Enable

Enabling and ordering the SAFE Registration modules is as easy as clicking a button

### Customize the User Experience

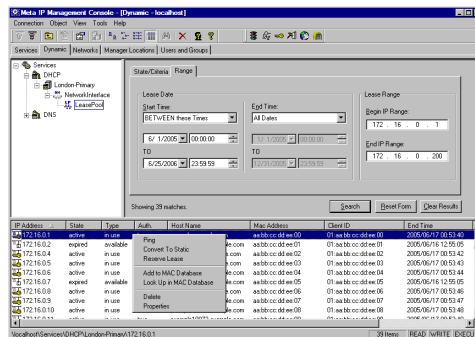
You also have complete control over the SAFE Registration web page presented to the user:

- configure the input fields for each module
- change the text and background
- provide contact information
- provide a custom image

### Superior Tools

Meta SAFE DHCP includes superior tools to manage your DHCP implementation, including:

- **Dynamic View** allows you select an active lease (or range of leases) and ping the leases, look up or add the client to the MAC Address Database. Quarantined and unrestricted leases are visually distinct in the Dynamic View.



The Dynamic View allows multiple operations on active leases

- **Configuration Analysis Tools** provide reports that you can run on your DHCP lease pools to troubleshoot problems and examine configuration and usage. You can schedule reports to run at a specific time, a specific date, or a specific interval. Reports include:

- Static Lease Compliance Report
- DHCP Server Discovery
- DHCP Lease Pool Usage Summary
- DHCP Available Address Ping Sweep
- Lease Reclamation Tool

### System Requirements

#### Management Console

- Platform
  - Windows 2000, XP, or 2003
- Hardware
  - 256 MB memory
  - 40 MB disk space

#### Manager Servers

- Primary Manager Server on the MetaInfo Appliance
- Backup Manager Server on the SAFE DHCP Quarantine Appliance
- Other platforms available with restrictions

#### SAFE DHCP Services

- Primary SAFE DHCP Service on the SAFE DHCP Quarantine Appliance
- Failover SAFE DHCP Service on the MetaInfo Appliance
- Other platforms available with restrictions

#### SAFE DNS and Web Server

- SAFE DNS and Web Server on the MetaInfo SAFE DHCP Quarantine Appliance
- Other platforms available with restrictions



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